

C-XXX-XXXX

**TEST FOR MEASUREMENT  
OF  
STUDENT ACHIEVEMENT  
OPERATOR**

**2 kW MILITARY TACTICAL GENERATOR SET  
MEP-531A - 120 VAC 60 HZ  
MEP-501A -28 VDC**

**WRITTEN TEST**

**SERIAL NUMBER \_\_\_\_\_**

**MASTER TEST BOOKLET**

WRITTEN TEST

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### TEST INSTRUCTIONS FOR THE PROCTOR

#### PRIOR TO START OF TESTING:

Tell the students that use of reference materials (e.g., Student Guide, Maintenance Manuals) is permitted.

There is only one correct answer for each test item.

Distribute the Test Booklet face down.

Announce time of test (.5 hours). Each item is worth 5 points.

Direct students to turn over the Test Booklet. Read the directions with the students.  
Instruct the students to begin the test.

Tell the students to bring Test Booklet to you when they are finished with the test and leave the room.

#### AT THE COMPLETION OF TESTING:

Grade the test using the Test Answer Key in the Master Test Booklet. Multiply the items answered correctly by 5 to calculate the final score (e.g.,  $15 \times 5 = 75\%$ ).

Have students return to the classroom and review the correct answers to the test items.

NAME \_\_\_\_\_

**2KW Generator Operator's Test**

1. For proper safety you must first?
  - a. Make sure generator is level
  - b. Ground generator set
  - c. Use only JP-8 fuel
  - d. Check all identification plates
2. The decompression lever is used with the \_\_\_\_\_ for starting.
  - a. Manual recoil starter
  - b. Load circuit breaker
  - c. Slave receptacle
3. With electric start, do not crank more than?
  - a. 15 seconds
  - b. 20 seconds
  - c. 10 seconds
4. You have run your generator out of fuel, what must you do to continue normal operation?
  - a. Clean the fuel filter
  - b. Bleed the fuel system
  - c. Use the Electric starter
  - d. Report to higher maintenance
5. It is recommended to use hearing protection within how many feet of the operating generator?
  - a. 8 feet
  - b. 6 feet
  - c. 13 feet

**6.** To fuel the generator you should only fill the fuel cell to within?

- a. 2 inches from the top
- The redline of the strainer
- Completely full

**7.** Output voltage maybe adjusted by the?

- a. AC Voltmeter
- b. Voltage adjust potentiometer
- c. VAC receptacles
- d. NATO slave receptacle

**8.** For cold weather starting (-21 C to -32 C) you should?

- a. Rotate the air intake cover
- b. Mix gas with fuel
- c. Warm the set before using
- d. Mix OD30 with the fuel

**9.** The 2KW MEP-531A has an output of?

- a. 120 VAC single phase
- b. 120/208 VAC single phase
- c. 120 VAC three phase
- d. 28 VDC

**10.** To check oil level you must?

- a. Tighten dipstick firmly in place
- b. Place dipstick into sump without tightening
- c. Get flashlight and check level

**11.** The generator set is designed to be carried by \_\_\_\_\_?

- a. Four persons
- b. One person
- c. A forklift
- d. Two people

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- 12.** The fuel tank has a capacity to provide 4.8 hours of operation at \_\_\_\_\_.
- a. 50%
  - b. 100%
  - c. 75%
  - d. 80%
- 13.** The \_\_\_\_\_ connects/disconnects power to the output load terminals.
- a. The generator control unit
  - b. The voltage regulator
  - c. The circuit breaker diode
  - d. The ON-OFF load circuit breaker
- 14.** The load terminal board has \_\_\_\_\_ output load terminals.
- a. Two
  - b. Four
  - c. Aluminum
  - d. Plastic
- 15.** Prior to starting the generator set, the operator must perform \_\_\_\_\_ PMCS procedures.
- a. Unit Level
  - b. Before
  - c. During
  - d. After
- 16.** The ON-OFF load circuit breaker should be positioned to ON prior to starting the generator set.
- a. True
  - b. False
- 17.** During operation, if no voltage is indicated on the voltmeter, the \_\_\_\_\_ needs to be checked.
- a. AC voltmeter
  - b. Voltage adjust control
  - c. The fuse
  - d. The load terminals

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- 18.** For grounding the generator set, drive the ground rod in at least \_\_\_\_\_ feet.
- a. Two
  - b. Eight
  - c. Six
  - d. Three
- 19.** The \_\_\_\_\_ indicates total engine operating time.
- a. The load terminals
  - b. Voltmeter
  - c. Hour meter
  - d. % load meter
- 20.** The fuel filter assembly is a \_\_\_\_\_ check.
- a. During PMCS check
  - b. Before PMCS check
  - c. Direct Support level check
  - d. Before and After PMCS check

## TEST ANSWER KEY/TEST ITEM CROSS REFERENCE SHEET

Item No.	Answer	Reference
Q1.	b	P. 2-17
Q2.	a	P. 2-1
Q3.	c	P. 2-23
Q4.	b	P. 2-19
Q5.	c	P. 2-20
Q6.	b	P. 2-14
Q7.	b	P. 2-7
Q8.	a	P. 2-26
Q9.	a	P. 1-1
Q10.	b	P. 2-15
Q11.	a	P. 1-5
Q12.	b	P. 1-5
Q13.	d	P. 2-6
Q14.	a	P. 2-7
Q15.	b	P. 2-21
Q16.	b	P. 2-21
Q17.	c	P. 3-8
Q18.	b	P. 2-17
Q19.	c	P. 2-7
Q20.	d	P. 2-13